The Threshold Learning Outcomes for Chemistry

TLO 1. Understanding	Understand ways of	1.1 recognising the creative endeavour involved in
the culture of chemistry	scientific thinking by:	acquiring knowledge, and the testable and
		contestable nature of the principles of chemistry
		1.2 recognising that chemistry plays an essential role
		in society and underning many industrial
		technological and medical advances
		1.2 understanding and being able to articulate aspects
		af the place and importance of chamistry in the local
		of the place and importance of chemistry in the local
		and global community
TLO 2. Scientific	Exhibit depth and	2.1 demonstrating a knowledge of, and applying the
knowledge	breadth of chemistry	principles and concepts of chemistry
	knowledge by:	2.2 recognising that chemistry is a broad discipline
		that impacts on, and is influenced by, other scientific
		fields
TLO 3. Inquiry, problem	Investigate and solve	3.1 synthesising and evaluating information from a
solving and critical	aualitative and	range of sources, including traditional and emerging
thinking	auantitative problems	information technologies and methods
······8	in the chemical	3.2 formulating hypotheses, proposals and predictions
CEL.	sciences hy:	and designing and undertaking experiments
	sciences by:	2.2 applying recognized methods and appropriate
		5.5 apprying recognised methods and appropriate
		practical techniques and tools, and being able to
		adapt these techniques when necessary
		3.4 collecting, recording and interpreting data and
		incorporating qualitative and quantitative evidence
		into scientifically defensible arguments
		3.5 demonstrating the cooperativity and effectiveness
		of working in a team environment
TLO 4. Communication	Communicate	4.1 presenting information, articulating arguments
	chemical knowledge	and conclusions, in a variety of modes, to diverse
$\sum_{i=1}^{n} \left(\sum_{j=1}^{n} \right)$	by:	audiences, and for a range of purposes
		4.2 appropriately documenting the essential details of
		procedures taken, key observations, results and
		conclusions
TLO 5. Personal and	Take personal.	5.1 demonstrating a capacity for self-directed learning
social responsibility	professional and	5.2 demonstrating a capacity for working responsibly
	social responsibility	and safely
	bv:	5.3 recognising the relevant and required ethical
	~;.	conduct and hohaviour within which chemistry is
		conduct and benaviour within which chemistry is
		practised